

34th Meeting of the
European Section of the
International Society for Heart Research



July 24-27, 2017
Hamburg, Germany
Ishr-hamburg-2017@uke.de



Local organizers: Lucie Carrier & Thomas Eschenhagen

Monday 24 th July 2017							
08:30-9:00	Registration Early Career Investigators						
9:00-10:30	MAIN AUDITORIUM	ECI Session 1	Cardiomyopathies: Mechanisms and new therapeutic approaches	Chair persons	Vasco Sequeira (Amsterdam, NL) Konstantina Stathopoulou (Hamburg, DE)		
				09:00	ECI Speaker 1	Liam Couch (London, UK)	Takotsubo syndrome associated miR-16 and miR-26a reduce contractility of apical cardiomyocytes <i>in vitro</i> by an inhibitory G-protein dependent mechanism
				09:15	ECI Speaker 2	Mariia Bogdanova (Oslo, NO)	Phenotype differences of valve interstitial cells in healthy and calcified aortic valves
				09:30	ECI Speaker 3	Christoph Hofmann (Heidelberg, DE)	The stress response transcription factor ATF6 is necessary for compensatory cardiac hypertrophy
				09:45	ECI Speaker 4	Mulla Wesam (Beer-Sheva, IL)	Prominent differences in cardiac performance and myocardial properties between right ventricular and left ventricular-based pacing modes in rats
				10:00	ECI Speaker 5	Maksymilian Prondzynski (Hamburg, DE)	Functional impact of a novel α -Actinin 2 mutation associated with hypertrophic cardiomyopathy in human iPSC-derived cardiomyocytes
				10:15	ECI Speaker 6	Paul Wijnker (Amsterdam NL)	Comparison of the effects of a truncating and a missense MYBPC3 mutation on contractile parameters of engineered heart tissue
10:30-11:00	Coffee break						
11:00-12:30	MAIN AUDITORIUM	ECI Session 2	Metabolism, autophagy and proteostasis in heart disease	Chair persons	Alessandra Ghigo (Turin, IT) Marc Hirt (Hamburg, DE)		
				09:00	ECI Speaker 1	Edoardo Lazzarini (Genova, IT)	Shaping of cardiomyocyte metabolism by myofibroblasts: a new paradigm for the derangement of energy metabolism in heart failure?
				09:15	ECI Speaker 2	Xu Hu (Amsterdam, NL)	Heat shock protein inducer accelerates recovery from contractile dysfunction in experimental Atrial Fibrillation
				09:30	ECI Speaker 3	John Mulvey (Cambridge, UK)	Mitohormesis: cardioprotection by the superoxide generator MitoParaquat in a mouse model of acute myocardial infarction
				09:45	ECI Speaker 4	Valentina Prando (Padova, IT)	Dysfunction in the mitochondrial Optic Atrophy-1 protein (Opa1) alters the neurogenic control of heart function
				10:00	ECI Speaker 5	Sonia R. Singh (Cincinnati, USA)	Dysfunction in the mitochondrial optic atrophy-1 protein (Opa1) alters the neurogenic control of heart function
				10:15	ECI Speaker 6	Marit Wiersma (Amsterdam, NL)	Screening modulators of the ubiquitin-proteasome system and the autophagy-lysosomal pathway - towards novel targets to treat proteotoxicity
12:30-13:30	Registration, Poster display, Lunch						
13:30-14:00	MAIN MAIN	Opening ceremony: Rodolphe Fischmeister (President, ISHR-ES), Thomas Eschenhagen (President-Elect, ISHR-International), Lucie Carrier (President-Elect, ISHR-ES)					
14:00-15:00	MAIN MAIN	Plenary session 1 - ISHR 2017 Peter Harris Distinguished Scientist Award - David Eisner (Manchester, UK) - <i>Ups and downs of calcium in the heart</i> . Chair: Thomas Eschenhagen (Hamburg, DE)					
15:00-16:30	MAIN AUDITORIUM	Session 1	DZHK Session : Novel approaches to target pathological cardiac hypertrophy	Chair persons	Johannes Backs (Heidelberg, DE) Gerd Hasenfuß (Göttingen, DE)		
				15:00	Speaker 1	Marc Freichel (Heidelberg, DE)	TRPC Channels as targets
				15:20	Speaker 2	Norbert Frey (Kiel, DE)	Novel protein degradation pathways and their role in heart failure
				15:40	Speaker 3	Stefan Engelhardt (Munich, DE)	Translating anti-miR-21 treatment of cardiac remodeling
				16:00	Abstract 1	Luca Braga (Trieste, IT)	MicroRNA hsa-miR-665 prevents cardiomyocyte hypertrophy and preserves normal cardiac function after pressure overload
				16:15	Abstract 2	Maayan Waldman (Tel Aviv, IL)	Activating the PGC-1 α -HO-1 axis is required for attenuation of cardiomyopathy in hypertensive diabetic mice
	PHYSIOLOGY	Session 2	Regulation of sarcomere function in health and disease	Chair persons	Jolanda van der Velden (Amsterdam, NL) Felix Friedrich (Hamburg, DE)		
				15:00	Speaker 1	Benjamin Prosser (Philadelphia, USA)	Microtubule role in myocyte mechanics
				15:20	Speaker 2	Mathias Gautel (London, UK)	Sarcomeric cytoskeleton - role of alpha-actinin
				15:40	Speaker 3	Corrado Poggesi (Florence, IT)	Thin filament proteins
				16:00	Abstract 1	Maïke Scholdt (Amsterdam, NL)	Effect of mutant protein dose and mutation location on disease severity in hypertrophic cardiomyopathy
				16:15	Abstract 2	Steven Schulz (Hamburg, DE)	Investigating the interactome of cardiac myosin-binding protein C during enhanced afterload treatment of rat engineered heart tissue by BioID and mass spectrometry
	PHARMACOLOGY	Session 3	Optogenetics	Chair persons	Viacheslav Nikolaev (Hamburg, DE) Wolfram Zimmermann (Göttingen, DE)		
				15:00	Speaker 1	Philipp Sasse (Bonn, DE)	Optogenetic termination of ventricular arrhythmia in mice and man
				15:20	Speaker 2	Marco Mongillo (Padova, IT)	Dissecting the cellular players of arrhythmia with cardiac optogenetics
				15:40	Speaker 3	Gil Bub, Montreal (Quebec, CA)	Optical control of excitation waves in cardiac tissue
				16:00	Abstract 1	Marta Lemme (Hamburg, DE)	Establishment of an optogenetic human engineered heart tissue platform
				16:15	Abstract 2	Marina Scardigli (Florence, IT)	Quantitative assessment of passive electrical properties of the cardiac T-tubular system by FRAP microscopy
16:30-18:00	Coffee break + Poster session 1						
18:00-19:30	MAIN AUDITORIUM	Session 4	JMCC Session: β -Adrenergic signalling in pathological remodelling: friend or foe?	Chair persons	Ali El-Armouche (Dresden, DE) Rodolphe Fischmeister (Châtenay-Malabry, FR)		
				18:00	Speaker 1	Weinian Shou (Indianapolis, USA)	The role of STAT3 in β -adrenergic signaling and cardiac function
				18:20	Speaker 2	Metin Avkiran (London, UK)	β -Adrenergic signalling via protein phosphatases
				18:40	Speaker 3	Frank Lezoualc'h (Toulouse, FR)	β -Adrenergic signalling and CaMKII in cardiac remodeling
				19:00	Abstract 1	Simon Diering (Hamburg, DE)	Exposure of adult rat ventricular myocytes to nitroxyl induces activation of cAMP-dependent protein kinase through interdisulfide formation and substrate targeting
				19:15	Abstract 2	Albano C. Meli (Montpellier, FR)	Patient-specific induced pluripotent stem cell-derived cardiomyocytes to model, screen drugs and decipher molecular mechanisms of CPVT1 syndrome
	PHYSIOLOGY	Session 5	New inflammatory targets in cardiac disease	Chair persons	Klaus D. Preissner (Giessen, DE) David Eisner (Manchester, UK)		
				18:00	Speaker 1	François Mach (Geneva, CH)	Pathophysiological role of neutrophils in acute myocardial infarction
				18:20	Speaker 2	Hector A. Cabrera-Fuentes (Giessen, DE)	Extracellular nucleic acids as potential targets in inflammatory cardiac disease
				18:40	Speaker 3	Gemma Vilahur (Barcelona, ES)	Neutrophils and macrophage dynamics during cardiac disease
				19:00	Abstract 1	Chiara Barisione (Genova, IT)	Indoxyl sulphate activates cardiac fibroblasts with enhanced collagen synthesis, upregulated angiotensin-nephrilysin, and paracrine induction of cardiomyocyte hypertrophy
				19:15	Abstract 2	Nathalie Rosenblatt-Velin (Lausanne, CH)	Characterisation of endogenous cardiac inflammatory cells displaying a cardiogenic potential
	PHARMACOLOGY	Session 6	Translational problems in cardioprotection	Chair persons	Katrin Schröder (Frankfurt, DE) Sandrine Lecour (Cape Town, ZA)		
				18:00	Speaker 1	Peter Ferdinandy (Budapest, HU)	Lack of correct animal studies for target discovery and validation?
				18:20	Speaker 2	Gerd Heusch (Essen, DE)	Problems in clinical trials on cardioprotection
				18:40	Speaker 3	Derek Hausenloy (London, UK)	New approaches to cardioprotection
				19:00	Abstract 1	Ashley Bradley (Glasgow, UK)	Runx1 deficiency in cardiomyocytes preserves cardiac contractile function post-MI
				19:15	Abstract 2	Stefan Pietzsch (Hannover, DE)	Insulin supplementation attenuates cancer-induced cardiac atrophy and lowers tumor volume
From 19:30	Get-together - UKE meeting place						

Tuesday 25 th July 2017							
8:00-9:00	ISHR-ES council meeting I - Pharmacology Library						
9:00-10:00	MAIN	Plenary session 2 - ISHR 2017 Outstanding Investigator Award - Jolanda van der Velden (Amsterdam, NL) - <i>Bench to bedside stories of sarcomeric cardiomyopathies</i> . Chair: Lucie Carrier (Hamburg, DE)					
10:00-10:30	Coffee break						
10:30-12:00	MAIN AUDITORIUM	Session 7	JMCC Session: Molecular-based therapy for inherited cardiac diseases	Chair persons	Mauro Giacca (Trieste, IT)		
					Giulia Mearini (Hamburg, DE)		
10:30				Speaker 1	Thierry VandenDriessche (Brussels, BE)	Next-generation gene and cell therapy for Duchenne muscular dystrophy	
10:50				Speaker 2	Marc Bitoun (Paris, FR)	Allele-specific RNAi : success and pitfalls	
11:10				Speaker 3	Mauro Giacca (Trieste, IT)	Can we improve AAV-mediated, CRISPR/Cas9-induced homologous recombination?	
11:30				Abstract 1	Anika E. Knaust (Hamburg, DE)	CRISPR/Cas9-derived isogenic hiPSC controls reveal a mutation-specific contractile and arrhythmic phenotype of hiPSC-cardiomyocytes from PLN-R14del carriers	
11:45		Abstract 2	Daniele Catalucci (Milan, IT)	Inhalation therapy delivers nanoparticle-based therapeutic peptides to the diseased heart			
			Chair persons	Stefan Blankenberg (Hamburg, DE)			
				Denise Hilfiker-Kleiner (Hannover, DE)			
10:30		Speaker 1	Florent Soubrier (Paris, FR)	Genetics of pulmonary hypertension			
10:50		Speaker 2	Soni Pullamsetti (Bad Nauheim, DE)	FoxO1 as a therapeutic target for pulmonary hypertension			
11:10		Speaker 3	Guillaume Gilbert (Leuven, BE)	Mechanotransduction in pulmonary hypertension			
11:30		Abstract 1	Olena Rudyk (London, UK)	PKG α oxidation during chronic hypoxia provides an adaptive vasodilatory mechanism that limits pulmonary hypertension			
11:45		Abstract 2	Amelia S. Power (Auckland, NZ)	Impaired Ca ²⁺ handling precedes overt heart failure in a rat model of monocrotaline-induced right ventricular hypertrophy			
			Chair persons	Jeanette Erdmann (Lübeck, DE)			
			Tanja Zeller (Hamburg, DE)				
10:30	Speaker 1	Heribert Schunkert (Munich, DE)	Lessons from GWAS				
10:50	Speaker 2	Lesca Holdt (Munich, DE)	9p21 - still a mystery?				
11:10	Speaker 3	Folkert Asselbergs (Utrecht, NL)	Novel candidate genes for CAD based on DNA regulatory elements with GWAS loci				
11:30	Abstract 1	Maria Loreto Munoz-Venegas (Lübeck, DE)	Generalized compound heterozygosity analysis highlights cardiac artery disease associated genetic loci in genetic and exome data				
11:45	Abstract 2	Shweta Sharma (New Delhi, IN)	Integrative analysis of psoriasis and cardiovascular disease unfolds pathway convergence				
12:00-13:00	Lunch						
13:00-14:00	Special session	Journals as the forum for science: what's going on?	Chair persons	David Eisner (Manchester, UK)			
				Gerd Heusch (Essen, DE)			
13:00			Speaker 1	Karin Sipido (Leuven, BE)	A changing landscape in cardiovascular research publications		
13:20			Speaker 2	R. John Solaro & Robert Danziger (Chicago, USA)	Why basic biomedical science is not reproducible		
13:40	Speaker 3	Joseph A. Hill (Dallas, USA)	The new <i>Circulation</i>				
14:00-15:30	MAIN AUDITORIUM	Session 10	YI Award Competition	Chair persons	Rodolphe Fischmeister (Châtenay-Malabry, FR)		
					Thomas Eschenhagen (Hamburg, DE)		
14:00				ECI Speaker 1	Kaja Breckwoldt (Hamburg, DE)	Cardiac repair with human engineered heart tissue from induced pluripotent stem cells	
14:15				ECI Speaker 2	Soni Deshwal (Padova, IT)	MAO-dependent ER-mitochondria dysfunction and mast cell degranulation lead to adverse cardiac remodeling in diabetes	
14:30				ECI Speaker 3	Valentina Prando (Padova, IT)	Dysfunction in the mitochondrial optic atrophy-1 protein (Opa1) alters the neurogenic control of heart function	
14:45				ECI Speaker 4	Sonia R. Singh (Cincinnati, USA)	Screening modulators of the ubiquitin-proteasome system and the autophagy-lysosomal pathway - Towards novel targets to treat proteotoxicity	
15:00				ECI Speaker 5	Hariharan Subramanian (Hamburg, DE)	Direct visualization of cGMP dynamics in plasma membrane microdomain of adult cardiomyocytes	
15:15				ECI Speaker 6	Marit Wiersma (Amsterdam, NL)	Endoplasmic reticulum stress is associated with autophagy and cardiomyocyte remodeling in experimental and human atrial fibrillation	
					Chair persons	Sian Harding (London, UK)	
						Ingra Mannhardt (Hamburg, DE)	
14:00				Speaker 1	Arne Hansen (Hamburg, DE)	Human engineered heart tissue – a versatile 3D tool for in vitro studies	
14:20				Speaker 2	Godfrey Smith (Glasgow, UK)	Calcium and voltage as readouts for drug effects	
14:40		Speaker 3	Chris Denning (Nottingham, UK)	Drug testing in hiPSC-cardiomyocytes			
15:00		Abstract 1	Ingra Mannhardt (Hamburg, DE)	What a difference a cell makes – comparison of 7 healthy control hiPSC-CM cell lines for drug screening			
15:15		Abstract 2	Marc D. Lemoine (Hamburg, DE)	hiPSC-cardiomyocytes are an oversensitive model for IKr block compared to human ventricular tissue			
			Chair persons	Cristina Molina (Essen, DE)			
				Ursula Ravens (Dresden, DE)			
14:00		Speaker 1	Yoram Etzion (Beer Sheva, IL)	Long-term atrial and ventricular pacing studies in conscious freely moving rats - challenges and opportunities			
14:20		Speaker 2	Katharine Dibb (Manchester, UK)	Atrial t-tubules in health and disease			
14:40		Speaker 3	Niels Voigt (Göttingen, DE)	Excitation-contraction-coupling changes in atrial fibrillation			
15:00		Abstract 1	Claire Hepburn (Birmingham, UK)	Atrial arrhythmia susceptibility in a plakoglobin-deficient murine model with endurance exercise			
15:15		Abstract 2	Gabriel Bernasochi (Melbourne, AU)	Greater vulnerability to atrial arrhythmias is linked with augmented pericardial adipose deposition and estrogen synthesis capacity			
15:30-17:00		Coffee break - Poster session 2					
17:00-18:30		MAIN AUDITORIUM	Session 13	JMCC Session : Protein kinases as therapeutic targets in cardiovascular disease	Chair persons	Mike Marber (London, UK)	
					Friederike Cuello (Hamburg, DE)		
17:00	Speaker 1				Kristina Lorenz (Dortmund, DE)	Lessons from the multifaceted kinase modulator RKIP-identification of new potential strategy in heart failure therapy	
17:20	Speaker 2				Johannes Backs (Heidelberg, DE)	Can CaMKII be inhibited without side effects within and outside the heart?	
17:40	Speaker 3				Philip Eaton (London, UK)	Redox control of cAMP- and cGMP-dependent protein kinase	
18:00	Abstract 1				Marit Wiersma (Amsterdam, NL)	Kinomic array analysis to identify druggable kinases limiting atrial fibrillation remodeling	
18:15	Abstract 2		Mara Goetz (Hamburg, DE)	Nitroxyl mediates vasodilation by inducing an activating intradisulfide bond in the high affinity cGMP-binding site of PKG α			
			Chair persons	David García Dorado (Barcelona, ES)			
				Heimo Ehmke (Hamburg, DE)			
17:00	Speaker 1		Marco Giorgio (Milan, IT)	p66Shc biochemistry and intracellular signalling			
17:20	Speaker 2		Gian Paolo Fadini (Padova, IT)	p66Shc and metabolic syndrome			
17:40	Speaker 3		Thomas F. Lüscher (Zurich, CH)	p66Shc and vascular abnormalities			
18:00	Abstract 1		Wesam Mulla (Beer-Sheva, IL)	Prominent differences in cardiac performance and myocardial properties between right ventricular and left ventricular-based pacing modes in rats			
18:15	Abstract 2		Davor Pavlovic (Birmingham, UK)	Langendorff-free method for isolation of mouse cardiomyocytes – Characterisation and comparison with standard Langendorff cardiomyocyte isolation method.			
			Chair persons	Sonia R. Singh (Cincinnati, USA)			
				Marco Sandri (Padova, IT)			
17:00	Speaker 1		Jeff Robbins (Cincinnati, USA)	Targeting autophagy in cardiac proteotoxicity			
17:20	Speaker 2		Sebastiano Sciarretta (Rome, IT)	Cross-talk between the mTOR and Hippo signalling pathways in cardiomyocyte survival and growth			
17:40	Speaker 3	Kinya Otsu (London, UK)	New players of cardiac autophagy				
18:00	Abstract 1	Antonia T.L. Zech (Hamburg, DE)	Evaluation of the autophagy-lysosomal pathway in cardiac tissue and hiPSC-derived cardiomyocytes from patients with inherited cardiomyopathies				
18:15	Abstract 2	Karen Frudd (London, UK)	Oxidation of Atg3 and Atg7 during aging inhibits autophagy				

Wednesday 26 th July 2017					
8:00-9:00	ISHR-ES council meeting II - Pharmacology				
9:00-10:00	MAIN	Plenary session 3 - ISHR 2017 Keith Reimer Distinguished Lecture - Brian O'Rourke (Baltimore, USA) - <i>Life on the edge: mitochondria, emergence, and heart disease</i> . Chair: Derek Hausenloy (London, UK)			
10:00-10:30	MAIN	ISHR-ES General Assembly			
10:30-11:00	Coffee break				
11:00-12:30	MAIN AUDITORIUM	Session 16	Dyadic organization and dysfunction in cardiac disease	Chair persons	Yoram Etzion (Beer Sheva, IL)
				11:00 Speaker 1	Frederik Flenner (Hamburg, DE)
				11:20 Speaker 2	Michael Frisk (Oslo, NO)
				11:40 Speaker 3	Andrew Trafford (Manchester, UK)
				12:00 Abstract 1	Julia Gorelik (London, UK)
				12:15 Abstract 2	Marie-Louise Ward (Auckland, AU)
	PHYSIOLOGY	Session 17	Gut microbiota and cardiovascular disease	Chair persons	Derek Hausenloy (London, UK)
				11:00 Speaker 1	Frederik Flenner (Hamburg, DE)
				11:20 Speaker 2	Valérie Schini-Kerth (Strasbourg, FR)
				11:40 Speaker 3	Dominik Müller (Berlin, DE)
				12:00 Abstract 1	Evasio Pasini (Pavia, IT)
				12:15 Abstract 2	Gábor Brenner (Budapest, HU)
	PHARMACOLOGY	Session 18	Joint ISHR-SASCAR (South African Society for Cardiovascular Research): signaling in cardiometabolic diseases	Chair persons	Sandrine Lecour (Cape Town, ZA)
				11:00 Speaker 1	Fabio Di Lisa (Padova, IT)
				11:20 Speaker 2	Mark Kearney (Leeds, UK)
				11:40 Speaker 3	Barbara Huisamen (Tygerberg, ZA)
				12:00 Abstract 1	Marijke Brink (Basel, CH)
				12:15 Abstract 2	Nicholas Woudberg (Cape Town, ZA)
12:30-14:00	Lunch - Poster session 3				
14:00-15:30	MAIN AUDITORIUM	Session 19	Novel aspects of signalling in heart failure	Chair persons	Karin Sipido (Leuven, BE)
				14:00 Speaker 1	Zoltán Papp (Debrecen, HU)
				14:20 Speaker 2	Jeffery D. Molkentin (Cincinnati, USA)
				14:40 Speaker 3	Leon de Windt (Maastricht, NL)
				15:00 Abstract 1	Joseph A. Hill (Dallas, USA)
				15:15 Abstract 2	Lavanya M. Iyer (Göttingen, DE)
	PHYSIOLOGY	Session 20	Mitochondrial targets for cardiac diseases	Chair persons	Julie Pires da Silva (Châtenay-Malabry, FR)
				14:00 Speaker 1	Luca Scorrano (Padova, IT)
				14:20 Speaker 2	Christoph Maack (Homburg, DE)
				14:40 Speaker 3	Ludovic Gomez (Lyon, FR)
				15:00 Abstract 1	Kerstin Boengler (Giessen, DE)
				15:15 Abstract 2	Thomas Krieg (Cambridge, UK)
	PHARMACOLOGY	Session 21	GENome and RNAome in cardiac development and disease	Chair persons	Diana Bou-Teen (Barcelona, ES)
				14:00 Speaker 1	Phillippe Pasdois (Bordeaux, FR)
				14:20 Speaker 2	Eva van Rooij (Utrecht, NL)
				14:40 Speaker 3	Justus Stenzig (Hamburg, DE)
				15:00 Abstract 1	Thomas Thum (Hannover, DE)
				15:15 Abstract 2	Thierry Pedrazzini (Lausanne, CH)
15:30-16:00	Coffee break				
16:00	Bus transfer from meeting location				
17:30-19:00	Boat tour in Hamburg Harbor				
19:00-Midnight	Gala Dinner in AuQuai restaurant				

Thursday 27 th July 2017					
9:00-10:00	MAIN	Plenary Session 4 - Keynote Lecture - Ales Linhart (Prague, CZ) - <i>Fabry disease - from gene mutations to therapy</i> - Chair: Jolanda van der Velden (Amsterdam, NL)			
10:00-11:30	Coffee break - Poster session 4				
11:30-14:00	MAIN AUDITORIUM	Session 22	Communication between myocytes and non-myocytes	Chair persons	Thomas Wieland (Manheim, DE)
				11:30 Speaker 1	Ralf P. Brandes (Frankfurt, DE)
				11:50 Speaker 2	Kai Wollert (Hannover, DE)
				12:10 Speaker 3	Jörg Heineke (Hannover, DE)
				12:30 Abstract 1	Tania Zaglia (Padova, IT)
				12:45 Abstract 2	Christopher O'Shea (Birmingham, UK)
	PHYSIOLOGY	Session 23	Short steps and long strides towards cardiac regeneration	Chair persons	Christopher O'Shea (Birmingham, UK)
				11:30 Speaker 1	May-Kristin Torp (Oslo, NO)
				11:50 Speaker 2	Thomas Braun (Bad Nauheim, DE)
				12:10 Speaker 3	Mauro Giacca (Trieste, IT)
				12:30 Abstract 1	Hesham Sadek (Dallas, USA)
				12:45 Abstract 2	Florian Weinberger (Hamburg, DE)
	PHARMACOLOGY	Session 24	Anthracycline cardiomyopathy: understanding mechanisms and discovery of new therapies	Chair person 1	Felix Engel (Erlangen, DE)
				11:30 Speaker 1	Eric Morel (Châtenay-Malabry, FR)
				11:50 Speaker 2	Emilio Hirsch (Turin, IT)
				12:10 Speaker 3	Hossein Ardehali (Chicago, US)
				12:30 Abstract 1	Tetsuo Minamino (Osaka, JP)
				12:45 Abstract 2	Alessandra Ghigo (Turin, IT)
13:00-14:00	Lunch				
14:00-15:00	MAIN	Plenary session 5 - ISHR-ES Medals of Merit - ISHR-ES-Servier Award - ISHR-ES-YI Award - ISHR-ES-Poster Awards . Chairs: Derek Hausenloy (London, UK) & Rodolphe Fischmeister (Châtenay-Malabry, FR)			
		ISHR-ES Medal of Merit	14:00	Gerd Heusch (Essen, DE)	Laudatio: Derek Hausenloy (London, UK)
		ISHR-ES Medal of Merit	14:15	Jean-Jacques Mercadier (Châtenay-Malabry, FR)	Laudatio: Rodolphe Fischmeister (Châtenay-Malabry, FR)
		ISHR-ES Servier Award Winner 2016	14:30	Hector A. Cabrera-Fuentes (Giessen, DE)	
		ISHR-ES Servier Award Winner 2017	14:45	Vasco Sequeira (Amsterdam, NL)	
		ISHR-ES-YI Award	14:50	Selected during the meeting	
		ISHR-ES-Poster Awards	14:50	Selected during the meeting	
From 14:00	Departure				



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The background of the central text box is a photograph of a busy port at dusk or dawn. A large red cargo ship is docked at a pier, with several gantry cranes visible in the background. The sky is a mix of orange and blue, and the water in the foreground is dark.